

The applicants hereby elect species VIB, peptide nucleic acids with an attached electron transfer moiety. Claims 47, 48, 49, 50, 51, 52 and 53 read on the species elected.

In addition, prior to examination, please amend the above-identified application as follows:

In the Claims:

Please cancel claims 1-46 without prejudice or disclaimer as drawn to non elected inventions.

REMARKS

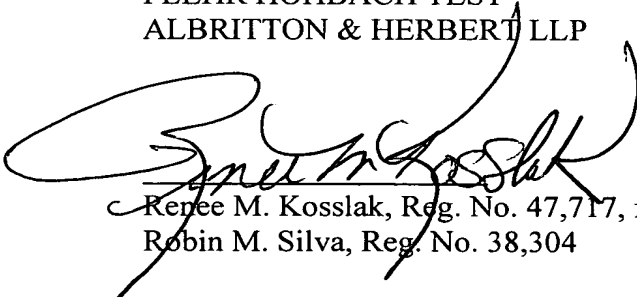
Claims 47-59 are pending. Claims 1-46 have been cancelled without prejudice or disclaimer as drawn to non elected inventions. An appendix of pending claims is attached for the Examiner's convenience.

Attached hereto is a marked-up version of the changes made to the claims by the "Restriction and Amendment". The attached page is captioned **"Version with markings to show changes made."**

The Examiner is invited to contact the undersigned at (415) 781-1989 if any issues may be resolved in that manner.

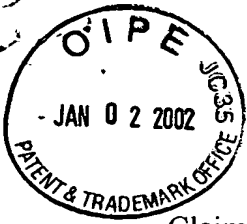
Respectfully submitted,

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"VERSION WITH MARKINGS TO SHOW CHANGES MADE"

Claims 1-46 have been cancelled.



Appendix of Pending Claims

47. A peptide nucleic acid with at least one chemical substituent covalently attached to the α -carbon of a monomeric subunit.
48. A peptide nucleic acid with at least one chemical substituent covalently attached to an internal monomeric subunit of the peptide nucleic acid.
49. A peptide nucleic acid according to claim 48 said attachment is to a base of said monomeric subunit.
50. A peptide nucleic acid according to claim 48 said attachment is to the backbone of said monomeric subunit.
51. A composition according to claim 48 or 49 wherein said chemical substituent is an electron transfer moiety.
52. A composition according to claim 51 wherein said electron transfer moiety is an electrode.
53. A composition according to claim 51 wherein said electron transfer moiety is a transition metal complex.
54. A composition according to claim 48 wherein said chemical substituent is a label.
55. A composition according to claim 54 wherein said label is a fluorescent label.
56. A composition according to claim 54 wherein said label is a chemiluminescent label.
57. A composition according to claim 54 wherein said label is a hapten.
58. A composition according to claim 54 wherein said label is a protein.
59. A composition according to claim 54 wherein said label is an antigen.